

Date: Tue, 23 Feb 93 02:33:15 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #245
To: Info-Hams

Info-Hams Digest Tue, 23 Feb 93 Volume 93 : Issue 245

Today's Topics:

ARRL DXCC Desk Status - 14 February 1993
 Bikers Ham It up
 FORGET THE CW HELP - GET DICTIONARY...
FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!
 Looking for Callsign server
 Memory expansion for radios.
 Michael Dingy
 Multiband multimode VHF rigs
NEEDED: Info on GPS (spread spectrum) protocol technology
 Odd digital mode heard on 40 meters
 Old car radios had PTO's
 Portable HF antennas...
 Soldering PL259's (2 msgs)
 Thanks for all the input

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 22 Feb 1993 19:35:20 MST
From: sdd.hp.com!caen!destroyer!cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!
alberta!adec23!ve6mgs!usenet@network.UCSD.EDU
Subject: ARRL DXCC Desk Status - 14 February 1993
To: info-hams@ucsd.edu

Msg #978 From: WB1HBB Date: 22-Feb 2325Z Subj: DXCC Desk Stats 2/14/93

DXCC Desk Stats:

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>I have been amazed at the amount of overlap between the motorcycle
>group and the amateur radio group.
>In my case, I chalk it up to eclectic interests.
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I chalk it up to electric vests. Obviously more and more motorcyclists are concerned about the effects of RF energy radiating from their electric vests, and are taking up an interest in ham radio to learn more about this important subject.

--

Paul Thompson Apple Computer DoD #47 (for sale)

Date: 23 Feb 93 04:50:52 GMT
From: news-mail-gateway@ucsd.edu
Subject: FORGET THE CW HELP - GET DICTIONARY...
To: info-hams@ucsd.edu

Jeff-

> HELP YOURSELF OUT BY LEARNING TO CORRECTLY SPELL THE FOLLOWING:
I think you missed the entire point, says I, with the obvious so apparent even I can see it... but more to the point, if you are going to flame someone on the net for bad spelling or the like, how about being gentlemanly about it, and not SHOUTING which is even more obnoxious, difficult to read, and hard to put up with, even more so than bad spelling, of which most of us netters are guilty, at one time or another.

> SORRY FOR THE FLAME BUT IT HURTS MY EYES (AND BRAIN) TO SEE SUCH THINGS.
Ah, like I said...turn down the volume, it's tough on the eyes! ;^)

> IT'S TOO BAD PEOPLE DON'T TAKE MORE PRIDE IN HOW THEY PRESENT THEMSELVES
> ON THESE NETS.

Yes. And, too bad they can't enter and quietly state a premise without leaving a lasting impression...or did you think you had to shout to be heard from Hawaii to the mainland? ;^)

| Jack GF Hill Voice: (615)459-2636 root@jackatak.raidernet.com |
| P. O. Box 1685 modem: (615)377-5980 Compu\$erve 76427,31 |
| Brentwood, TN 37024 Bicycling and SCUBA Diving Ham Call: W4PPT |
+-----+

Date: 22 Feb 93 13:03:59 CST
From: usc!zaphod.mps.ohio-state.edu!menudo.uh.edu!ccsvax.sfasu.edu!
f_speerjr@network.UCSD.EDU
Subject: FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!
To: info-hams@ucsd.edu

In article <C2twAr.AG3@news.Hawaii.Edu>, jherman@Hawaii.Edu () writes:

>if anyone knows if there is another server or if my syntax is incorrect I would
>appreciate it if you could E-Mail me and let me know how to get connected.

Have you successfully telneted to other places? (Your post does not say.)
If not, perhaps you need to talk to your local gurus and learn how.
If yes, then have you successfully telneted to specific port numbers
at other places? (Your post does not say.) If not, then that, too,
is something you need to study. (Perhaps you have an online manual
that may be gotten by typing man telnet.)

Good luck.

--

Carl Oppedahl AA2KW (intellectual property lawyer)
30 Rockefeller Plaza
New York, NY 10112-0228
voice 212-408-2578 fax 212-765-2519

Date: Fri, 19 Feb 93 17:05:16 CST
From: usc!sol.ctr.columbia.edu!caen!destroyer!fmsrl7!lynx.unm.edu!umn.edu!
kksys.com!edgar!brainiac!moron!pillock!stevej@network.UCSD.EDU
Subject: Memory expansion for radios.
To: info-hams@ucsd.edu

jwa@tellabs.com (John W. Albert) writes:

> A few weeks ago I reported that a new company (Willco Electronics) is
> introducing no fail memory boards for Icom radios. This week I
> heard that they are planing to make available memory boards for
> other brands. They said that they can make a memory kits that
> will expand the Kenwood TS-440 to 32 times it's current capacity.
> That means the 440 will have 3200 memories!

Jack,

Do you have an address or phone number for these people?

Steve KA0VYB

Date: Tue, 23 Feb 1993 03:49:33 GMT
From: usc!howland.reston.ans.net!gatech!darwin.sura.net!haven.umd.edu!wam.umd.edu!
adam@network.UCSD.EDU
Subject: Michael Dingy

To: info-hams@ucsd.edu

Oh yeah, you definitely need a sex life.

Either that or cut down on the caffeine.

Assorted BS may be posted here.

Date: 23 Feb 1993 02:37:11 GMT
From: sdd.hp.com!col.hp.com!bobw@network.UCSD.EDU
Subject: Multiband multimode VHF rigs
To: info-hams@ucsd.edu

a-kevinp@microsoft.COM (Kevin Purcell, Rho) writes:

> Bob Witte / HP Colo Springs / bobw@col.hp.com / KB0CY said:
>
> OK, Kenwood, now take this basic technology and apply it to
> an all-mode mobile VHF/UHF radio. Maybe 6 meters, 2 meters and 70 cm.
> I would even settle for any two of these bands.
>
> I say:
>
> I have often wondered why there are multimode HF rigs that span a
> decade but no equivalent transceiver for VHF.
>
> For example 6m, 2m, 220MHz, and 430MHz are in a decade span but there
> is no "single rig" to cover all these bands. Each multiband VHF rig has
> a separate series of modules for each band which does push up the price
> dramatically.
>
> I can see the possible lack of a market (but is this really the case if
> there are a large number of Techs out there -- is it really true
> that they only want 2m FM :-(
>
> What are the technical problems to this approach?
>
> Kevin Purcell N7WIM / G8UDP
> a-kevinp@microsoft.com
> "We conjure the spirits of the computer with our spells"

I am sure there are technical challenges in a multiband, no-modules required all mode VHF/UHF rig. But I think the real issue is market related. The equipment mfgs seem to be throwing their technology resources at building rigs for the FM operator. Yeah, sure, they also offer all-mode OSCAR-oriented transceivers, but in terms of the best value (technology per \$\$), there have been more advances in the FM products.

And they may be doing the right thing if unit sales is your goal...
the FM market is bigger.

Bob Witte / HP Colo Springs / bobw@col.hp.com / KB0CY

Date: Tue, 23 Feb 1993 05:22:18 GMT
From: panix!fhd@nyu.arpa
Subject: NEEDED: Info on GPS (spread spectrum) protocol technology
To: info-hams@ucsd.edu

I am looking for a pointer to detailed info on the theoretical and
practical aspects of spread spectrum technology; info on either spread
spectrum in general or GPS in particular would be much appreciated!

Thanks!

-frank

--
EMail: fhd@panix.com | Do or do not, there is no try.
Phone: 1 - 212 / 765 - 2050 | -- Yoda

Date: 23 Feb 93 07:21:05 GMT
From: esl!barney!jdd@decwrl.dec.com
Subject: Odd digital mode heard on 40 meters
To: info-hams@ucsd.edu

In article <1993Feb15.215451.4282@TorreyPinesCA.ncr.com>
kevin@TorreyPinesCA.ncr.com (Kevin Sanders) writes:
>This past Saturday morning at around 1000Z I heard a very strange signal
>at 7.080. It sounded like regular bursts of data at about 2 second
intervals...

Perhaps this could be the new 'Clover' HF modem I have been hearing about.
Clover is a fancy, DSP-inspired modulation scheme and communication protocol
which is destined to blow away Hf 300-baud packet and even AMTOR from the HF
bands. Anybody know more about this?

>

>--

>Jim DeLoach, WU0I
>jdd@barney.esl.com
ESL Sunnyvale CA
(408) 738-2888

--

Chris Young |
Building M5, room 1330 | Internet: chris_young@smtp.esl.com
Mail Stop 505

Date: Mon, 22 Feb 1993 17:54:54 GMT
From: sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!donrm@network.UCSD.EDU
Subject: Old car radios had PT0's
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, wtm@uhura.neoucom.edu (Bill Mayhew) writes:

> By the way, the first time I can actually remember seeing a
> transistor was on my parent's 1957 DeSoto. The AM radio was
> tube-type, but apparently had a transistor chopper. I remember
> crawling up under the dash when I was a kid and seeing a big power
> transistor on the case of the radio.

These radios actually used tubes with 12VDC on the plates, and the transistor you saw was the PNP Germanium audio output. Worked fine, considering the state-of-the-art in those days.

> was a very neat piece of mechanical work. I never opened up the PT0
> assembly due to the warranty sticker (and there was no real need to
> disassemble it). The manual had a nice picture of the inside.
> Neat use of the "corrector stack." Neat too, was the use of

I pulled the PT0 apart in my old 75A-3. Collins wanted \$90 to repair it, and in those days, \$90 was a week's take-home pay. They were beautifully built. The grease would harden between the cam follower and the hill and dale corrector stack making for some intriguing drift problems.

Don Montgomery, K6LTS
donrm@sr.hp.com

Date: 22 Feb 1993 20:44:21 -0600
From: usc!cs.utexas.edu!not-for-mail@network.UCSD.EDU
Subject: Portable HF antennas...
To: info-hams@ucsd.edu

I ask this with great trepidation, but here goes anyway....

I need the simplest HF antenna that covers the most bands.

Simple, right?

Well, not really.

Specifically 1) I would like it to cover 3 or more bands (*which* bands is not important). 2) It will *not* be used with a tuner 3) It must fit in a regular sized suitcase, along with my (new) IC725.

I thought of a TNT Windom, but everyone says they don't work. Except, of course, the guy at Antennas West. Several have suggested a trap dipole. Any thoughts? Sources? Price I can expect?

Peter Laws
V31??

Peter Laws|GEnie:P.LAWS1| "Finally: one of our guys is |plaws@uafhp.uark.edu
n5uwy@ka5bml.ar.usa.noam| driving the car"--Dennis Miller|plaws@uafsysb.bitnet

Date: 23 Feb 93 02:17:54 GMT
From: news-mail-gateway@ucsd.edu
Subject: Soldering PL259's
To: info-hams@ucsd.edu

For what it's worth, here's the best method I've found for soldering PL-259s on RG-213 (RG-8) coax. I haven't tried it on 9913, but it should work as well. Sorry for the long post.

1. Strip the outer jacket per the assembly diagram in the ARRL Handbook. Take care not to nick the braid (I score the jacket, bend it to stretch the cut, and carefully make the final cut with the "wound" opened up). Do not "unbraid" the braid, cut it to length, stretch it, or otherwise disturb it.
2. With a temperature-controlled soldering station (I use the industry-standard Weller with an 800 degree tip), completely tin the braid. Fill up as many spaces between the braids as you can without applying too much heat to the dielectric. Keep moving, so that you don't overheat any one part of the dielectric. Your goal is to turn the braid into a solid "pipe" surrounding the dielectric. This pipe should run all the way out to the end of the cable.

3. Use a miniature tubing cutter (buy one in the plumbing section of your favorite home improvement store) to cut the braid to the correct length per the assembly diagram. Take your time, and go slowly. This way, you use minimum pressure on the cutter wheel and you avoid distorting the braid "pipe." I usually cut all the way through the "pipe" and part of the way into the dielectric. Then I use a very sharp x-acto knife to cut the dielectric down to the center conductor. If there are any bumps on the braid that will prevent it from entering the PL-259, file them off now.

If you were careful when you tinned the braid, this will be unnecessary. I also coat a q-tip with plumbing solder flux (the zinc chloride stuff) and ****lightly**** flux the inside of the PL-259 ****only**** around the holes through which you solder the braid. This makes soldering the braid much easier. (I have had ZERO trouble with corrosion---and I don't "weatherproof" my connectors either) I put a little flux on the braid also.

4. Lubricate the outer jacket with a drop or two of slightly soapy water. This makes it much easier to screw the PL-259 onto the cable. Screw the connector on the cable until the conductor just protrudes past the end of the center pin of the PL-259. The braid should now completely fill the four holes in the body, assuming you cut everything to the correct dimensions. Solder the center conductor, using the minimum amount of heat necessary to make a good solder joint.

5. I use a 240W soldering gun to solder the braid to the body. Also, I clamp the coax (NOT the connector) in a vise to eliminate stress on the connector. The idea is to apply as much heat as possible as QUICKLY as possible to solder the braid. Work from hole to hole to keep the heat as even as possible. You're done when solder flows out of one hole when you apply it in another. If it takes more than 30-40 seconds to fully solder the braid to the body, it's too much time. As soon as the solder has cooled just enough to solidify, I carefully quench the body with a wet washcloth, to rapidly

cool it completely.

When everything's cool again, I clean the residual flux with methyl-ethyl ketone.

Perhaps the best method to solder PL-259s is to convert everything to N-type connectors!!!

Happy soldering! 73 Mike N6MZ mikemr@microsoft.com

Date: 23 Feb 1993 02:31:46 GMT
From: sdd.hp.com!col.hp.com!bobw@network.UCSD.EDU
Subject: Soldering PL259's
To: info-hams@ucsd.edu

jerryb@jerber.sandiego.sgi.com (Jerry Bransford) writes:

> In article <C2v6E9.1v8@fc.hp.com>, jayk@fc.hp.com (Jay Kesterson K0GU)
> writes:
> |> : Does anybody have any hints on
> |> : soldering these things reliably?
> |>
> |> 1. Use extra flux (available at Radio Shack, etc)
> |> 2. Use silver plated PL-259s (These flow MUCH better)

I second this suggestion!

> |> 3. Tin the body of the PL-259 by flowing solder on it before you put
> |> the
> |> connector on the cable.
> |>
> |> 73, Jay K0GU jayk@fc.hp.com
>
> --
>
> MORE HINTS: 1) Lower wattage soldering tools take too long to heat the
> joint thus allowing heat to flow into undesirable areas, sometimes melting
> them. Use of a fairly high wattage 200/240 watt iron used CAREFULLY will
> heat the joint quickly enough without damage, USUALLY. Immediate use (just
> after completion of the soldering) of a heat sink (pliers, alligator clips,
> etc.) on the area soldered will conduct heat away from the area, helping to
> keep the residual heat from damaging easily melted areas.
>
> 2) EASIEST HINT: Use silver plated PL-259s with a non-meltable insulation
> material insulating the sleeve from the center conductor connector. You
> CAN find these PL-259s, look for an amber colored phenolic insulation
> material surrounding the center conductor area. This material is almost
> impervious to heat damage.

>
> 73,
> ~~~~~
> Jerry Bransford
> Silicon Graphics
> (619) 546-0409
> ~~~~~

I find that with the garden-variety, el cheapo PL-259's a very large, hot (say 225 Watt) iron helps alot. But a better idea is to use the Silver Plated PL-259's. And heating these too much is counter productive. It actually seems to work better with a more modest soldering iron due to the way solder likes to flow (read "run") on the silver plating.

Bob Witte / HP Colo Springs / bobw@col.hp.com / KB0CY

Date: Tue, 23 Feb 1993 00:10:44 GMT
From: bcstec!spady@uunet.uu.net
Subject: Thanks for all the input
To: info-hams@ucsd.edu

Thanks to all of you that provided me with some very valuable information about how to get started on earning a license.

I went to Radio Shack and asked for a copy of _Now You're Talking_ . . . It turned out that you have to ask for them . . . They're kept in the backroom since there is a limited supply available. Gosh, it sure has a lot of information in it! It looks like I'll be busy for a while . . . I also bought the cassette tapes to help me work up to 13 wpm!

After I learn a little (maybe a lot) more . . . I'm sure I'll be back for some input on radios, price, etc.

Thanks again . . . Your input saved me a lot of time and heartache and also made me feel better about how much people are willing to share the information they have.

Robyn Spady
spady@bcstec.ca.boeing.com

Date: Tue, 23 Feb 1993 02:48:40 GMT
From: pacbell.com!att-out!cbfsb!cbnewsb.cb.att.com!wa2ise@network.UCSD.EDU
To: info-hams@ucsd.edu

References <Dennis_Birch-220293124531@dbirch.mktg.stratus.com>,
<C2v6E9.1v8@fc.hp.com>, <1993Feb22.210801.4115@odin.corp.sgi.com>
Subject : Re: Soldering PL259's

I found that filing the plating off the shell near and in the solder holes helps a lot. Solder doesn't like to stick to the plating, but likes the brass metal underneath. Also using a high wattage iron or gun helps, too.

Date: 22 Feb 93 14:24:07 CST
From: swrinde!zaphod.mps.ohio-state.edu!menudo.uh.edu!ccsvax.sfasu.edu!
f_speerjr@network.UCSD.EDU
To: info-hams@ucsd.edu

References <9302171922.AB15883@netmail.microsoft.com>,
<mac.730044355@depot.cis.ksu.edu.cis.ksu.edu>,
<1993Feb22.153725.19146@cbnewsm.cb.att.com>
Subject : Re: A ORP list?

```
In article <1993Feb22.153725.19146@cbnewsm.cb.att.com>, jeffj@cbnewsm.cb.att.com
(jeffrey.n.jones) writes:
> In article <mac.730044355@depot.cis.ksu.edu.cis.ksu.edu> mac@cis.ksu.edu (Myron
A. Calhoun) writes:
>>a-kevinp@microsoft.COM (Kevin Purcell, Rho) writes:
>>>Is there a mailing list out there devoted to QRP issues?
>
> Sign me up too!
>
> Jeff
```

ME TOO!

James R. Speer Phone: 409 568 1478
Department of Psychology Fax: 409 568 2190
Stephen F. Austin State University E-mail: F_SPEERJR@ccsvax.sfasu.edu
Nacogdoches TX 75962-3046 Ham Radio: K5YUT

End of Info-Hams Digest V93 #245
